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§ Insecta

Catalogue of Indian Insects

PART 19—Gyrinoidea

BY

GEORG OCHS

Frankfurt a/Main

Issued under the authority of the Government of India

CALCUTTA: GOVERNMENT OF INDIA
CENTRAL PUBLICATION BRANCH
1930

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AGENT IN PALESTINE :—Steimatzky, Jerusalem.

§ Insects

PREFACE.

The Gyrinidæ are generally considered as a family of the sub-order Adephaga. They are indeed adephagid in some general characters, in other characters, however, they are abnormal and approach other families, which are far from the adephagous series. From this I concluded[1], concerning their phylogenetic origin, that the Gyrinidæ must be older than the true Adephaga, which opinion was already expressed by Lameere[2], Fowler[3] and other authors. For this reason, it would perhaps be best, to consider the Gyrinidæ as an isolated family, like for example the Palpicornia, with which they have probably some, though very distant, relations. Nevertheless, the nearest allies existing are the Adephaga, but if placed in this series, this requires a subdivision, and I feel inclined to follow the arrangement of Leng[4] and of Tillyard[5], who unite the true Adephaga in a superfamily (Caraboidea) and consider the Gyrinoidea as a section of equivalent value. I cannot agree with Hatch[6], who regards the Gyrinidea as simply derived from the Dytiscidæ, and must therefore reject the arrangement of Handlirsch[7], who unites the Gyrinidæ with the aquatic families of the Adephaga in his Hydrocantharini.

The Gyrinidæ are beetles of small to medium size, which are usually found in groups on the surface of the water, on which they can swim with great rapidity and perform complicated whirling evolutions. They are fairly adapted to this manner of life by the general shape of their body and the peculiar structure of the antennæ and the natatorial legs, the latter being modified so as to form short swimming paddles.

The beetles are found on standing as well as on running water, and some groups, especially *Orectochilus* and *Porrorhynchus* seem to prefer rivers and streams of swift current. Apparently the beetles—at least the Orectochili—do not like the bright sunshine, as they are found generally in deeply shaded places and in one case even in the interior of a cave, and it may be remembered, that the palæarctic representative of *Orectochilus* is nocturnal.

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[1] Ochs. *Ent. Zeitschr. Frankf.* XXXX 122 (1926).
[2] Lameere. *Ann. S. E. Belg.* XLIV 376 (1900).
[3] Fowler. *Fn. Brit. Ind. Col.* 50 (1912).
[4] Leng. *Cat. Col. N. America* 26 (1920).
[5] Tillyard, *Ins. of Austral. and N. Zeal.* 187 (1926).
[6] Hatch. *Pap. Mich. Acad.* V. 430 (1925).
[7] Handlirsch. *In Schröder's Handb. d. Ent.* III 550 (1925).

Our knowledge of the early stages of the family is but scanty, especially as concerns tropical species. All that is known on behalf of the latter is based on Indian material: see Nowrojee, Mem. Dept. Agric. Ind., Ent. Series II, IX. 177 Pl. 26 f. 4-7 (1912); Lesne, Bull. S. E. Fr. 86 (1902); Ochs, Rec. Ind. Mus. XXXI 244 (1929).

The literature on this family is very scattered and there exists up to now no key to species. Most of the Indian species are treated in the Monograph of Dr. M. Régimbart (Annales de la Société Entomologique de France 1882, 1883, 1886, 1891, 1907).

KEY TO SUBFAMILIES.

1	Last abdominal segment short, rounded at tip, without a median longitudinal row of hairs below. No pubescence on pronotum and elytra . . .	2
	Last abdominal segment elongate, conical, with a median longitudinal row of hairs below. Elytra and pronotum pubescent at least laterally . .	III. Orectochilinæ.
2	Metacoxæ outwards at least as broad as at the median suture, the outer (deeper) portion much broader than the inner portion, which adjoins the metasternum; outer portion of metasternum very narrow	I. Gyrininæ.
	Metacoxæ outwards narrower than at the median suture, the outer portion narrower than the inner one; outer portion of metasternum in form of a large triangle	II. Enhydrinæ.

By the older authors many species of Gyrinidæ are, evidently by error, recorded from India, which can never be found there, *i.a.*, *Gyrinus indicus* Aubé=*opaeus* Sahlb., which has a boreal range. In the following catalogue I have omitted all these, and only such species are registered, which are certain to occur in the region which is treated here. Records, which are marked by an asterisk, are not yet published in literature and result from revisional work, which was done by me on many European collections and on the material of most of the public collections of India.

GEORG OCHS.

FRANKFURT A. MAIN,
20th November 1929.

Catalogue of Indian Insects.

PART 19.—GYRINOIDEA.

Superfamily : GYRINOIDEA.

Gyrinoidea, Leng, Cat. Col. N. America 26 (1920); Tillyard, Ins. of Austral. and New Zeal. 187 (1926).

Family : GYRINIDAE.

Dytiscus, Lin., Syst. Nat. ed. X 412 (1758) [*partim*].
Gyrinus, Geoffr., Hist. Ins. Paris I 193 (1762); Linn., Syst. Nat. ed. XII 567 (1767); Fab., Syst. Ent. 234 (1775); Modeer, Physiogr. Sällsk. Handl. I 155 (1776); Oliv., Ent. III (41) 1 (1795); Fab., Syst. Eleuth. I 274 (1801).
Hydrocanthares, Latr., Hist. Nat. Crust. et Ins. VIII 149 (1803) [*partim*].
Otiophori, Latr., Gen. Crust. et Ins. II 57 (1807) [*partim*].
Gyrinus, Schönh., Syn. Ins. 36 (1808).
Gyrini, Ahrens, Neue Schrift. Nat. Ges. Halle II 41 (1812); Forsb., Nov. Act. Upsal. VIII 297 (1821).
Gyrinii, Say, Trans. Amer. Phil. Soc. II 2 (1825).
Gyrinidæ, Macleay, Annul. Javan. ed. I 30 (1825), ed. II 132 (1833).
Gyriniarii, Perty, Delect. Anim. Artic. 15 (1830-34).
Hydrocanthares, Dejean, Cat. Col. ed. II 58 (1833) [*partim*].
Gyriniens, Brullé, Hist. Nat. Ins. V 226 (1835); Aubé, Icon. V 375 (1836-38), Spec. Col. VI 649 (1838).
Gyrinites, Lap., Etud. Ent. I 107 (1835), Hist. Nat. I 169 (1840).

Gyronecha, Kirby, Fn. bor. Amer. IV 78 (1837).

Gyrinen, Erichs., Käfer Mark Brandenburg I 190 (1837).

Gyrinida, (Leach). Heer, Fn. Helv. 165 (1839).

Gyriniteos, Sol., in Gay Hist. Fis. Chile Zool. IV 290 (1849-51).

Gyrinia, Mannerh., Bull. Soc. Imp. Moscou XXVI (II) 113 (1853).

Gyrinides, Lacord., Gen. Col. I 433 (1854).

Gyrinidæ, Rég., Ann. S. E. Fr. (6) II 379 Pl. 10-12 (1882), (6) III 121 Pl. 6, 381 Pl. 11-14 (1883), (6) VI 247 Pl. 4 (1886), LX p. 663 Pl. 18-19 (1891), LXXVI 137 (1907) [monograph]; Seidl., Verh. Naturf. Ver. Brünn XXV 26 (1887); Fowl., Col. Brit. Islds. I 209 (1887); Sévérin, Ann. S. E. Belg. XXXIII 149 (1889) [catalogue]; Ganglb., Käfer Mitteleurop. I 518 (1892); Sharp, Cambr. Nat. Hist. VI 215 (1899); Lameere, Ann. S. E. Belg. XLIV 376 (1900); Rég., in Wytsm Gen. Ins. I 1 (1902); Jacobs., Käfer Russl. I 436 (1905); Ahlw., in Junk-Schenkling Col. Cat. XXI 3 (1910) [catalogue]; Fowl., Fn. Brit. Ind. Col. 65 (1912); Sharp and Muir, Trans. E. S. London 493 Pl. XLIX f. 42, 43, 43*a* (1912).

Biremi, Gozis, Misc. Ent. XXIII (3) 1 (1920).

Gyrinidæ, Kerhervé, Bull. Soc. Sc. et Méd. Ouest XXXI 1 [sep.] (1922); Hatch, Bull. Brookl. E. S. XX 101 (1925); Handl., in Schröders Handb. d. Ent. III 554 (1925); Hatch, Pap. Mich. Acad. V 429 (1925), VII 311 Pl. XXXXIV (1926); Ochs, Ent. Zeitschr. Frankf. XXXX 61 (1926); Hatch, Bull. Brookl.

E. S. XXII 89 (1927) [fossil]; Ochs, Rec. Ind. Mus. XXXI 248 (1929) [faunal distribution in India].

Subfamily I: GYRININÆ, Rég.

Gyrinini, Rég., Ann. S. E. Fr. (6) II 391 (1882), (6) III 124 (1883), in Wytsm. Gen. Ins. I 3 (1902).
Gyrininæ, Ahlw., in Junk-Schenkling Co., Cat. XXI 12 (1910); Ochs, Ent. Blätter XX 229 (1924).
Gyrinini, Hatch, Pap. Mich. Acad. V 443, 456 (1925).
Gyrininæ, Ochs., Ent. Zeitschr. Frankf. XXXX 62 (1926).

1. **Aulonogyrus** Motsch. (1853).

Type: *concinnus*, Klug (=*strigipennis*, Suffr.=*strictus* Motsch. 1853) [palæarctic].

Aulonogyrus, Motsch., Hydroc. Russ. 9 (1853); Rég., Ann. S. E. Fr. (6) III 124 (1883), in Wytsm. Gen. Ins. I 6 (1902); Hatch, Pap. Mich. Acad. V 456 (1925).

obliquus, Walker

Gyrinus obliquus, Walk., Ann. Mag. Nat. Hist. (3) II 205 (1858)[1]; Motsch., Bull. Mosc. XXXIV 109 (1861)[2].
Aulonogyrus obliquus, Rég., Ann. S. E. Fr. (6) III 137 (1883)[3], LXII 104 (1893)[4], LXXI 470 (1902)[5], LXXII 334 (1903)[6]; Zimmerm., Ent. Mitt. VI 142 (1917)[7].

Ind. merid.[3]
Ceylon: [1], [2], [3], [7]—
Nuwara Eliya.[4]
Bandarawela.[5]
Pattipola.*
Maskeliya.*
Halgranoya.*
Diyatalawa.*
Kandy.*
Palni Hills:
Kukha.*
Kodaikanal.*
Nilgiris:
Ootacamund.*
Coonor R.[6], *
Benhope Bungalow *
Neduvattam.*

Salem Dt. :
Shevaroys, Yercaud.*
Pondicherry.*
Madras.*

2. **Paragyrinus** Ochs (1924).

Type : *sinensis*, Ochs (China).

Paragyrinus, Ochs, Ent. Blätter XX 231 (1924).

arrowi, Rég.
Aulonogyrus arrowi, Rég., Ann. S. E. Fr. LXXVI 161 (1907)[1].
Paragyrinus arrowi, Ochs, Ent. Blätter XX 231 (1924)[2].
N. W. India.[1]
U. P., Chakrata, Bodyar.*
Nepal, Soondrijal.*
Assam, Shillong.*
Laos, Luang Prabang, Pak-Ten.[1]

vitalisi, Peschet.
Aulonogyrus vitalisi, Peschet, Opusc. Inst. Sc. Saigon I 5 (1923)[1].
Paragyrinus vitalisi, Ochs, Ent. Blätter XX 231 (1924).[2]

3. **Gyrinus**, Geoffroy (1762).

Type : *natator* L. (Palæarctic).

Dytiscus, Lin., Syst. Nat. ed. X 412 (1758).
Gyrinus, Geoffr., Hist. Ins. Paris I 193 (1762); Mod., Vet. Acad. Handl. XXXI 324 (1770) ; Degeer, Mém. Hist. Ins. Iv 361 Pl. 13 f. 16-20 (1774) ; Lacord., Fn. Ent. Paris I 340 (1835) ; Brullé, Hist. Nat. Ins. (V) II 235 (1835) ; Aubé, Icon. V 380 (1836-38), Spec. Col. VI 655 (1838) ; Suffr., Ent. Zeit. Stettin III 219 (1842) ; Lacord., Gen. Col. I 438 (1854) ; Rég., Ann. S. E. Fr. (6) III 141 (1883), in Wytsm. Gen. Ins. I 7 (1902) ; Zaitz., Rev. Russe d'Ent. VII 238 (1907) ; Zimmerm., Ent. Mitt. VI 143 (1917) ; Perfil., Russ. Hydrobiol. Zeit. IV 139 (1925) [larva] ; Hatch, Pap. Mich. Acad. V 457 (1925) ; Eggers, Zool. Anzeiger

LXVIII 184 (1926), LXXI 136 (1927) [biol.]; Bott, Zeitschr. f. Morphol. u. Oekol. X 207 Pl. 8-9 (1928) [biol., physiol.].

Subgenus: **Gyrinus** s. str. (Geoffr.) Hatch.

Subgenus *Gyrinus*, Hatch, Pap. Mich. Acad. V 458 (1925).

caspius, Mén., Cat. rais. Caucas. 142 (1832); Aubé, Icon. V 386 Pl. 44 f. 1 (1836-38), Spec. Col. VI 679 (1838). — N. W. India ?*

Gyrinus angustatus, Aubé, Icon. V 387 Pl. 44 f. 2 (1836-38), Spec. Col. VI 681 (1838).
Gyrinus elongatus, Aubé, Icon. V 384 Pl. 43 f. 4 (1836-38), Spec. Col. VI 676 (1838).
Gyrinus celox, Schiödte, Danm. Eleuth. 565 Pl. 23 f. a (1841).
Gyrinus caspius, Suffr., Stett. Ent. Z. III 244 (1842).
Gyrinus distinctus, Suffr., Stett. Ent. Z. III 245 (1842).
Gyrinus elongatus, Rég., Ann. S. E. Fr. (6) III 156 Pl. 6 f. 85 (1883); Seidl., Verh. Nat. V. Brünn XXV 114 (1887).
Gyrinus caspius, Seidl., Verh. Nat. V. Brünn XXV 114 (1887); Ganglb., Käf. Mitteleurop. I 528 (1892); Zaitz., Revue Russe d'Ent. VII 239 (1907).
Gyrinus elongatus, Sharp, Ent. Monthl. Mag. (2) XXV 134 Pl. 9 f. 6 (1914).
Gyrinus caspius, Zimmerm., Ent. Mitt. VI 160 Pl. 6 f. 8 (1917). — Central Europe, Mediterranean, W. Asia to Chinese Turkestan.

ceylonicus, Rég., Ann. S. E. Fr. (6) III 164 (1883)[1]. — Ceylon.[1]

convexiusculus, Macleay. — Ind. orient.[1]

Gyrinus nitidulus, Aubé, Spec. Col. VI 700 (1838) [*partim*];[1] Motsch., Bull. Soc. Imp. Moscou XXXIV 109 (1861)[2]. — Ceylon: [2], [16], [17] Diyatalawa.[14] Maskeliya.[14]

Gyrinus convexiusculus, Macleay, Trans. E. S. N. S. Wales II 128 (1871)[3].

Gyrinus huttoni, Pascoe, Ann. Mag. Nat. Hist. (4) XIX 141 (1877)[4]; Broun, Man. N. Zeal Col. 76 (1880)[5].

Gyrinus convexiusculus, Rég., Ann. S. E. Fr. (6) III 166 Pl. 6 f. 88 (1883)[6]; Fauvel, Rev. d'Ent. II 349 (1883)[7]; Rég., Ann. S. E. Fr. (6) VI 257 (1886)[8]; Séverin, Bull. S. E. Belg. XXXIV 194 (1890)[9]; Fauvel, Rev. d'Ent. XXII 255 (1903)[10]; Rég., Ann. S. E. Fr. LXXVI 171 (1907)[11]; Zaitzev, Rev. Russe d'Ent. VII 242 (1907)[12]; Peschet, Opusc. Inst. Sc. Saigon I 7 (1923)[13]; Ochs, Ent. Blätter XX 229 (1924)[14].

Gyrinus huttoni, Tilly., Ins. of Austr. and N. Zeal. 193 (1926)[15].

Gyrinus convexiusculus, Ochs, Suppl. Ent. XV 115, 121 (1927)[16], Ent. Blätter XXIV 42 (1928), Rec. Ind. Mus. XXXI 241 (1929)[17].

S. India :
Madras.[6, 14, 17]
Madras-Town.[17]
Kodaikanal.[14]
Palni Hills, Poubat-Havangi.[17]
Nilgiri-Hills, Coonoor-River.[17]
Mysore.[14, 17]
Bangalore.[14, 17]
Centr. India :
Bombay Pres., Satara dist., Medha, Yenna-Valley.[17]
Rewa-State, Amarkantak.[17]
Rewa-State, Dhud Dhara Falls.[17]
Rewa-State, Baratnala.[17]
Rewa-State, Sarai.[17]
Rewa-State, Umaria, Jaithari Range.[17]

convexiusculus, subsp. ? , Ochs, Suppl. Ent. XV 115 (1927)[1].

Himalayas.[13, 17]
Eastern-Himalayas.[17]
Nepal, Soondrijal.[11, 17]
Bengal :
Tetara.[9]
Kunbir-Nowatoli.[9]
Burma, S. Shan-States :
Hsamonghkam.[17]

Kalaw.[17]
Annam :[14, 16, 17]
Hué.[13]
Tibet. [?][6, 7, 10, 12, 13, 14, 16, 17]
China.[6, 7, 10, 12, 13, 14, 16, 17]
Sumatra.[14, 16, 17]
Java.[14, 16, 17]

N. Caledonia. [6], [7], [10], [12], [13], [14], [16], [17].
Australia. [3], [6], [7], [9], [10], [12] [13], [14], [16], [17]
N. Zealand. [4], [5], [8], [11], [14], [15], [16], [17]
Liu-Kiu-Islands, Kagoshima.[1]

distinctus, Aubé, Icon. V. 383 Pl. 43 f. 3 (1836-38), Spec. Col. VI 666 (1838).
Gyrinus niloticus, Waltl., Isis VI 453 (1838).
Gyrinus colymbus, Erichs., Käf. Mark. Brandenburg I 191 (1837); Suffr., Stett. Ent. Z. III 247 (1842).
Gyrinus caspius, Sharp, Ent. Monthl. Mag. V 57 (1868); Rég., Ann. S. E. Fr. (6) III 158 (1883), (6) VI 251, 253 (1886).
Gyrinus ægyptiacus, Rég., Ann. S. E. Fr. (6) III 155 (1883).
Gyrinus niloticus, Rég., Ann. S. E. Fr. (6) III 161 (1883).
Gyrinus distinctus, Seidl., Verh. Nat. V. Brünn XXV 115 (1887).
Gyrinus colymbus, Edw., Entomologist XXIII 108 (1890); Zaitz., Rev. Russe d'Ent. VII 241 (1907); Sharp, Ent. Monthl. Mag. (2) XXV 135 Pl. 9 f. 7, Pl. 10 f. 14 (1914).
Gyrinus distinctus, Zimmerm., Ent. Mitt. VI 158 Pl. 6 f. 10 (1917).

Kashmir:
Chinar Bagh Nullah.*

Europe.
Egypt, Sennaar.
W. Asia to Chinese Turkestan and Mongolia.

orientalis, Rég., Ann. S. E. Fr. (6) III 167 (1883)[1].
Gyrinus dejeani, Rég., And. S. E. Fr. (6) III 169 (1883) [partim][2].
Gyrinus orientalis, Rég., Ann. S. E. Fr. LX 678 (1891)[3], LXXVI 170 (1907)[4]; Zaitzev, Rev. Russe d'Ent. VII 242 (1907)[5].
Gyrinus dejeani, Zaitzev, Rev. Russe d'Ent. VII 242 (1907) [partim][6].
Gyrinus orientalis, Zimmerm., Ent. Mitt. VI 163 (1917)[7]; Ochs, Proc. U. S. Nat. Mus. LXXV (III) 2 (1929)[8].

India [?].[5]

Yünnan.[8]

China. [1], [2], [3], [5], [5], [6], [7], [8]

orientalis politus, Ochs [female form], Proc. U. S. Nat. Mus. LXXV (III) 2 (1929).[1] — Szechuan.[1]

sericeolimbatus, Rég., Ann. S. E. Fr. (6) III 185 (1883)[1], LXXVI 181 (1907)[2]; Zimmerm., Ent. Mitt. VI 164 (1917)[3]; Ochs, Phil. Journ. of Sc. XXIV 82 (1924)[4]; Peschet, Treubia VII 6 (1925)[5]; Ochs, Suppl. Ent. XV 115 (1927)[6], Journ F. M. S. Mus. XIII 242 (1927)[7], Ent. Blätter XXIV 43 (1928)[8].

Penins. Siam.[6, 7, 8]
Sumatra.[2, 4, 5, 6, 7, 8]
Java.[1, 3, 4, 5, 6, 7, 8]
Celebes.[1, 4, 5, 6, 7, 8]
Buru.[5, 7, 8]
N. Guinea.[2, 4, 5, 6, 7, 8]
Philipp. Islands.[1, 4, 5, 6, 7, 8]

smaragdinus, Rég., Ann. Mus. Civ. Genova (2) X 547 (1891)[1], Ann. S. E. Fr. LX 682 (1891)[2]; Zimmerm., Ent. Mitt. VI 164 (1917)[3]; Peschet, Opusc. Inst. Sc. Saigon I 7 (1923)[4]; Ochs, Ent. Blätter XX 230 (1924)[5].

Assam:[5]
  Khasi-Hills.[1, 2, 5]
  Shillong.*
  Dumpep.*
Burma:
  Taunggyi.*
  Carin Ghecu.[1, 2, 3, 5]
  Tenasserim.[5]
Yünnan.[4]
Upper Tonkin:
  Chapo.[4]

Subfamily II: Enhydrinæ, Rég.

Enhydrini, Rég., Ann. S. E. Fr. (6) II 391, 392 (1882), in Wytsm. Gen. I 2 (1902).
Enhydrinæ, Ahlw., in Junk-Schenkling Col. Cat. XXI 4 (1910); Ochs, Ent. Blätter XX 233 (1924).
Enhydrini, Hatch, Pap. Mich. Acad. V 443, 444 (1925).
Enhydrinæ, Ochs, Ent. Zeitschr. Frankf. XXXX 62 (1926).

Tribe: Dineutini, Ochs.

Dineutini, Ochs, Ent. Zeitschr. Frankf. XXXX 63 (1926).

4. **Dineutus,** Macleay (1825).

Type : *politus*, Macleay (Java).

Dineutus, Macleay, Ann. Jav. ed. I 30 (1825), ed. II 133 (1833). Type : *politus* Macleay (Java).

Cyclous, Eschsch., in Dejean Cat. ed. II 58 (1833). Type : *australis* Fabr. (Malayo-Australian).

Dyneutes, Lap., Etud. Ent. 109 (1835).

Dineutes, Brullé, Hist. Ins. (V) II 234, 240 (1835).

Cyclinus, Kirby, in Richards. Fauna bor. Amer. IV 78 (1837). Type : *assimilis* Kirby (Nearctic).

Dineutes, Aubé, Icon. V 407 (1836-38), Spec. Col. VI 761 (1838).

Dyneutes, Lap., Hist. Nat. I 170 (1840).

Dineutus, Lacord., Gen. Col. I 439 (1854).

Dineutes, Rég., Ann. S. E. Fr. (6) II 394 (1882) ; Lec. and Horn, Classif. 69 (1883) ; Rég., in Wytsm. Gen. Ins. I 3 (1902) ; Zimmerm., Ent. Blätter XVI 231 (1920).

Dineutus, Ochs, Ent. Blätter XX 233 (1924); Hatch, Pap. Mich. Acad. V 444, 447 (1925) ; Ochs, Ent. Zeitschr. Frankf. XXXX 64, 136 (1926).

Subg. **Spinosodineutes** Hatch (1925).

Spinosodineutes, Hatch, Pap. Mich. Acad. V 447 (1925). Type : *spinosus* Fabr.

Cyclous [*partim*], Hatch, Pap. Mich. Acad. V 447 (1925).

Gyrinodineutus, Ochs, Ent. Zeitschr. Frankf. XXXX 65, 195 (1926). Type : *unidentatus* Aubé.

Spinosodineutes, Hatch, Pap. Mich. Acad. VII 343 (1926).

orientalis, Modeer. Ind. orient. [4], [7]

Gyrinus orientalis, Mod., Physiogr. Sällsk. Handl. I (3) 160 (1776). Yünnan :

Dineutes marginatus, Sharp, Trans. E. S. London 56 (1873). Tengyueh to Talifu.*

Dineutes quadrispina, Fairm., Ann. S. E. Fr. (5) VIII 88 (1878). Djo-Kou-La.*

Tche-Ping-Tcheou.*

Kouang-Si-Hien.*

Sze-Tsong.*

Dineutes marginatus, Rég., Ann. S. E. Fr. (6) II 425 Pl. 12 f. 47, 47*a* (1882); Schönf., Ent. Nachr. 170 (1890); Rég., Ann. S. E. Fr. LXXVI 152 (1907); Peschet, Opusc. Inst. Sc. Saigon I 3 (1923).

Dineutus marginatus, Ochs, Ent. Blätter XX 236 (1924).

Dineutus (*Gyrinodineutus*) *orientalis*, Ochs, Ent. Zeitschr. Frankf. XXXX 136, 190 (1926).

Yi-Leang.*
Laos :
Tranninh.[7]
Tonkin :
Laokay, Chapo.*
Hoabinh.[7]
Mts. Mauson.*
Hanoi.[7]
Hadong.[7]
Annam :
Phuc-Son.*
Cochin-China.[7]

China. [1, 3, 4, 7, 9]
Manchuria. [2, 7]
Korea. [7, 8]
Formosa.*
Liu-Kiu-Islands.[5]
Japan. [2, 4, 7]
Java. [7] [?].

spinosus, Fabr.

Gyrinus spinosus, Fabr., Spec. Ins. 298 (1781)[1], Mant. Ins. I 194 (1787)[2], Ent. Syst. I 203 (1792)[3]; Oliv., Ent. III 41, 13 Pl. 1 f. 7 (1795)[4]; Fabr., Syst. Eleuth. I 275 (1801)[5]; Forsb., Nov. Act. Upsal. VIII 300 (1821)[6]; Perty, Obs. Col. Ind. 12 (1831)[7].

Dineutes spinosus, Aubé, Spec. Col. VI 789 (1838)[8]; Motsch., Bull. S. Imp. Moscou XXXIV 109 (1861)[9]; Rég., Ann. S. E. Fr. (6) II 425 Pl. 12 f. 48, 48*a* (1882)[10], Ann. Mus. Civ. Genova (2) VI 619 (1888)[11], (2) X 547 (1891)[12], Mission Pavie III 81 (1904)[13]; Nowrojee, Mem. Dept. Agric. Ind., Ent. Ser. II, 9 177 (1912).[14]

Dineutus (*Gyrinodineutus*) *spinosus*, Ochs, Ent. Zeitschr. XXXX 136 (1926)[15], Kol. Rundsch. XIII 40 (1927)[16], Journ. F. M. S. Mus. XIII 245 (1927)[17], Ent. Blätter

Ind. orient. [8, 10, 18, 19, 20]
Bengal : [7]
Calcutta.*
Murshidabad.*
Sherpurtown, Mymensingh.*
Orissa Coast :
Puri.*
Madras :
Coromandel. [1, 3, 4, 5, 6, 7, 16]
Pondicherry.*
Tranquebar.*
Ceylon. [6, 9]
U. P. :
Lucknow.*
Naini Tal Dt., Chuharwala.*
Bihar :
Pusa.[14]
Kierpur.*

XXIV 43 (1928)[18], Journ. F. M. S. Mus. XIV 401 (1929)[19], Rec. Ind. Mus. XXXI 247 (1929)[20].

E. Himalayas :
Siliguri.*
Assam : [19]
Mangaldai.*
Tezpur.*
Selai-Kusi.*
Goalundo-Gauhati.*
Kowpati.*
Chittagong Hills :
Maini-Mukh.*
Burma : [19]
Bhamo.[11], [12]
Teinzo.[11], [12]
Katha.[11], [12]
Rangoon.[11], [12]
Pegu.[12]
Palon.[12]
Toungoo.[12]
Bassein.*
Tenasserim.
Kawkareik.[11], [12]
Peninsular Siam :
Lampan-Patalung.[17]
Malay Peninsula :
Kedah, Jitra.[19]
Perak, Bukit Merah.[19]
Batang Padang.[19]
Singapore.*
Siam : [10], [19]
Bangkok.*
Laos.*
Tonkin :
Than-Moi.*
Annam :
Phuc-Son.*
Pha-Rang.*

Borneo.[10], [18], [19]
Sumatra.* [?]

spinosus nepalensis, Ochs, Rec. Ind. Mus. XXXI 247 (1929)[1].

Nepal :
Soondrijal.[1]
Katmandu-*

unidentatus, Aubé.

Dineutes unidentatus, Aubé, Spec. Col. VI 788 (1838)[1]; Rég., Ann. S. E. Fr. (6) II 424 Pl. 12 f. 46 (1882)[2], (6) IX 156 (1889)[3]; Sévérin, Bull. S. E. Belg. XXXIV 194 (1890)[1]; Nowrojee, Mem. Dept. Agric. Ind., Ent. Ser. II 9 177 [habits] Pl. 26 f. 7, 5 [larva], 6 [pupa], 4 [cocoon] (1912)[5]; Peschet, Opusc. Inst. Sc. Saigon I 4 (1923)[6].

Dineutus (*Cyclous*) *unidentatus*, Hatch, Bull. Brookl. E. S. XX 110 (1925) [larva][7] Dineutus (Gyrinodineutus) unidentatus, Ochs, Ent. Zeitschr. Frankf. XXXX 112, 136 (1926)[8], Journ. F. M. S. Mus. XIII 245 (1927)[9], Ent. Blätter XXIV 43 (1928)[10], Rec. Ind. Mus. XXXI 242, 245 [larva] (1929)[11], Journ. F. M. S. Mus. XIV 401 (1929).[12]

Ind. orient.[2, 6, 10, 12]
Bengal:
Calcutta.[11]
Berhampore Court.[11]
Konbir.[11]
Bowring.[11]
Sherpur Town, Mymensingh.[11]
Chota Nagpur:
Manbhum.[11]
Rewa State:
Koilari.[11]
Orissa Coast:
Puri.[11]
Chilka Lake, Sta. 139.[11]
Ganjam dist., Rambha.[11]
Madras:
Pondicherry.[11]
Tranquebar.[11]
Madura.[11]
Ceylon: [10, 11, 12]
Kandy.*
Ambalangoda.*
Karachi [?]. [11]
U. P., Lucknow.[11]
Bihar:
Pusa.[5, 11]
Kierpur.[11]
Penins. Siam: [11, 12]
Lampan-Patalung.[9]
Perak: [11]
Kuala Kangsar.[12]
Burma.[11, 12]
Siam.[11]
Tonkin: [11, 12]
Hanoi,[6] Dap-Cau,[6] Kep.[6]
Annam:
Song-Dinh.*
Cochin China:
Saigon.[2]

Mytho.[3]
Pnomh-Penh.[3]
Indo-china.[4], [6]
Brasilia (erron. !)[1]
China.[2], [6], [11]
Java.[6], [10], [11], [12]

unidentatus curtulus, Rég.

Dineutes curtulus, Rég., Ann. S. E. Fr. LXXVI 151 (1907)[1]; Ochs, Phil. Journ. of Sc. XXIV 82 (1924)[2].

Dineutus (*Gyrinodincutus*) *curtulus,* Ochs, Ent. Zeitschr. Frankf. XXXX 136 (1926)[3].

Dineutus (*Gyrinodineutus*) *unidentatus* subsp. *curtulus,* Ochs, Ent. Blätter XXIV 43 (1928)[4], Rec. Ind. Mus. XXXI 242 (1929)[5].

Philippine Islds. [1], [2], [3], [4], [5]

Subg. **Protodineutus,** Ochs.

Protodineutus, Ochs, Ent. Zeitschr. Frankf. XXXX 66 (1926); Hatch, Pap. Mich. Acad. VII 344 (1926).

Type: *æreus Klug* (Africa, Arabia).

indicus, Aubé.

Dineutes indicus, Aubé, Spec. Col. VI 772 (1838)[1]; Rég., Ann. S. E. Fr. (6) II 405 (1882)[2]; Sévérin, Bull. S. E. Belg. XXXIV 194 (1890)[3]; Sharp, Scient. Res. 2nd Yark. Miss. 39 (1890)[4]; Rég., Ann. S. E. Fr. LX 666 (1891)[5], LXII 104 (1892)[6]; Lesne, Bull. S. E. Fr. 86 [larva, probably of this species] (1902)[7]; Rég., Ann. S. E. Fr. LXXI 470 (1902)[8], LXXII 334 (1903)[9]; Fowl., Faun. Brit. Ind. f. 30 (1912)[10]; Zimmerm., Ent. Mitt. VI 135 (1917)[11]; Kempers, Ent. Mitt. XII 75 f. 62 [wing] (1923)[12].

Dineutus indicus, Ochs, Ent. Blätter XX 234 (1924).[13]

Dineutus (*Protodineutus*) *indicus,* Ochs, Ent. Zeitschr. Frankf. XXXX 137 (1926)[14], Rec. Ind. Mus. XXXI 242, 245 [larva] (1929)[15].

Ind. orient. [1], [2]
Bengal:
Calcutta.*
Berhampore Court.*
Murshidabad.*
Burju.*
Raniganj.*
Tetara.[3]
Konbir.[3], [5]
Parisnath.*
Bihar:
Sahibganj.*
Rajmahal.*
Tinpahar.*
Birbhum.*
Chota Nagpur.*
Singhbhum dist.:
Ghadkuri-Manharpur.*
Orissa:
N. Simlipal Range.*

Ganjam dist. :
Rambha.*
Vizagapatam.[5]
Udayagiri.*
Velikondhas.*
Madras : [5]
Ennur.*
Chittoor dist. :
Horsleykonda.*
Nilambur.*
Pondicherry.[7]
Tranquebar.*
Palni Hills.*
Kodaikanal.[5]
Shembaganur.[13]
Madura.[13]
Ramnad dist. :
Nathampatti.*
Ceylon : [15]
Colombo.*
Diyatalawa.*
Halgamar.*
Woodside Urugalla.*
Passara.*
Bandarawela.[8], [11]
Kandy.[6]
S. Malabar :
Dhoni Forest.*
Travancore :
Wallardi.*
Mahé.[9]
Nilgiris : [11]
Mettupalayam.*
Coimbatore.*
Maruthamalai.*
Bangalore.*
Coorg.*
Kanara.[11]
Mormugao.*
Belgaum.*
Dekhan.[5]
Satara dist :
Nechal.*
Moleshwar.*
Bombay :[5]
Poona dist.,
Khandala.*
Mathéran, Charlotte L.[9]
Ahmednagar.*
Khandesh.*
C. P., Mandla dist :
Kharmer Nullah.[15]
Rewa State :
Amarkantak.[15]
Sone River.[15]
Kapilldhara Falls.[15]
Umaria, Lalpur
Jaithari Range.[15]
Kathiawar :
Junagade, Dakar Hill.*
Baluchistan.[15]
Kashmir :
Jhelam Valley.[4], [13]
Himalayas :[5], [15]
Kangra.*
Patiala State :
Dhurampur Koa.*
Pinjore.*
Simla Hills :
Kandagath.*
Kalka.*
Siwaliks :
Dehra Dun*.
Mussorie :
Rajpur, Arni Gad.*
W. Himalayas :
Dharampur.*
Sikkim. [?] [5]
Assam. [?] [5], [15]
Mayurbhang State :
Burrapani, Kurkai R.*
Tongo.*
Pachmeria.*
Ramnee.*
S. Arkat, Genji.*

Subg. **Dineutus** [s. str.] (Macleay) Hatch.

Subg. *Dineutus*, Hatch, Pap. Mich. Acad. V 447 (1925); Ochs, Ent. Zeitschr. Frankf. XXXX 65 (1926); Hatch, Pap. Mich. Acad. VII 344 (1926). Type : *politus* Macleay (Java).

mellyi, Rég.

Dineutes fulgidus, Rég. Not. Leid. Mus. II 214 (1880) [*partim*][1].

Dineutes mellyi, Rég., Ann. S. E. Fr. (6) II 399 (1882)[2].

Yünnan :
Yünnan-fou.*
Yünnan-sen.*
Kut-Sin-Fou.*
Kouang-Si-Hien.*

Dineutes sauteri, Uyttenboogaart, Zool. Mededeel. 140 (1915)[3]. — Mit-Sao.*

Dineutes mellyi, Zimmerm., Arch. f. Naturgesch. LXXXII (A, 5) 122 (1917)[4]. — Tonkin : Laokay, Chapo.*

Dineutus mellyi, Ochs, Ent. Blätter XXI 174 (1925)[5], Ent. Zeitschr. Frankf. XXXX 139 (1926).[6] — China.[1, 2] Formosa.[3, 4]

mellyi insularis, Rég.,
Dineutes insularis, Rég., Ann. S. E. Fr. LXXVI 140 (1907)[1].
Dineutus mellyi insularis, Ochs, Ent. Zeitschr. Frankf. XXXX 139, 193 (1926)[2]. — Liu-Kiu-Islands.[1]

Subg. **Porrorhynchus** (Lap.) — Kerhervé.

Porrorhynchus, Lap., Etud. Ent. 108 (1835) ; Brullé, Hist. Ins. V (II) 239 (1835) ; Aubé, Icon. V 404 (1836-38), Spec. Col. VI 759 (1838) ; Lap., Hist. Nat. I. 170 (1840) ; Lacord., Gen. Col. I 440 (1854) ; Rég., Ann. S. E. Fr. (6) II 427 (1882), in Wytsm. Gen. Ins. I 4 (1902) ; Hatch, Pap. Mich. Acad. V 444 (1925). — Type : *marginatus* Lap.

Subg. *Porrorhynchus*, Kerhervé, Soc. Sc. Méd. Ouest XXXI 2 [sep.] (1922) ; Ochs, Ent. Zeitschr. Frankf. XXXX 64 (1926) ; Hatch, Pap. Mich. Acad. VII 344 (1926).

barthelemyi, Rég.
Porrorhynchus barthelemyi, Reg., Ann. S. E. Fr. LXXVI 153 (1907)[1]. — Annam : Arroyos des Mois.[1]
Dineutus (*Porrorhynchus*) *barthelemyi*, Ochs, Ent. Zeitschr. Frankf. XXXX 139 (1926).[2]

indicans, Walker.
Dineutes indicans, Walker, Ann. Mag. Nat. Hist. (3) II 205 (1858)[1]. — Ceylon : [1, 2, 3, 4] Maskeliya.*

Porrorhynchus indicans, Motsch., Bull. Soc. Imp. Moscou XXXIV (I) 109 (1861)[2]. — Java.[3, 4] (erron. !)
Porrorhynchus brevirostris, Rég., Ann. S. E. Fr. (5) VII 113 Pl. 6 f. 5 (1877)[3], (6) II 429 Pl. 12 f. 50 (1882)[4].

Porrorhynchus indicans Rég., Ann. S. E. Fr. (6) VI 250 (1886)[5].
Dineutus (*Porrorhynchus*) *indicans*, Ochs, Ent. Zeitschr. Frankf. XXXX 139 (1926)[6].

landaisi, Rég.

Porrorhynchus landaisi, Rég., Ann. S. E. Fr. LX 667 Pl. 18 f. 1 (1891)[1], in Wytsm. Gen. Ins. I f. 12 (1902)[2], LXXVI 152 (1907)[3]; Peschet, Opusc. Inst. Sc. Saigon I 5 (1923)[4]; Kempers, Ent. Mitt. XII 75 f. 63 [wings] (1923)[5]; Hatch, Journ. N. Y. E. S. XXXIV Pl. 26 f. 8 [eyes] (1926)[6], Pap. Mich. Acad. VII 311 [anatomy, numerous fig.] (1926)[7].
Dineutus (*Porrorhynchus*) *landaisi*, Ochs, Ent. Zeitschr. Frankf. XXXX 139 (1926)[8].

Tonkin :
Cao-Bang, Ban-Khau. [1, 4]
Thuyen-Quan.[3, 4]
Vietri.[4]
Thatké.[4]
Backan.*
Laos.*

S. W. China.[3, 6]

landaisi latilimbus, Ochs.

Porrorhynchus landaisi [*partim*], Rég., Ann. S. E. Fr. LXXVI 153 (1907)[1]; Peschet, Opusc. Inst. Sc. Saigon I 5 (1923)[2].
Dineutus (*Porrorhynchus*) *landaisi latilimbus*, Ochs, Ent. Zeitschr. Frankf. XXXX 139, 193 (1926)[3].

Hainan. [1, 2, 3]

marginatus, Lap.

Porrorhynchus marginatus, Lap., Etud. Ent. 108 (1835)[1]; Brullé, Hist. Ins. (V) II 239 Pl. 10 f. 4 (1835)[2]; Aubé, Icon. V 406 Pl. 46 f. 3 (1836-38)[3], Spec. Col. VI 759 (1838)[4]; Lap., Hist. Nat. I 170 (1840)[5]; Lacord., Gen. Col. I 440 Pl. 13 f. 4 (1854)[6]; Rég., Ann. S. E. Fr. (5) VII 110 Pl. 6 f. 3 (1877)[7], (6) II 427 Pl. 12 f. 49, 49*a* (1882)[8], Mission Pavie III 81 (1904)[9], Ann. S. E. Fr. LXXVI 152 (1907)[10]; Zimmerm., Ent. Mitt. VI 139 (1917)[11]; Peschet, Opusc. Inst. Sc. Saigon I 4 (1923)[12]; Kempers, Ent. Mitt. XII 76 f. 87 [wings] (1923).[13]

Lower Burma :
Tavoy.[15]
Tenasserim.[15, 16, 17]
Mergui.*
Perak : [16]
Kuala Kangsar.[10, 16]
Temangoh.[16]
Lenggong.[16]
Sungei Gemas, Lubok Kedondong.[16]
Pahang : [16]
Sungei Tahan.[16]
Kuala Tahan.[16]
Kuala Lipis.[16]
Kuala Teku.[16]

Dincutus (*Porrorhynchus*) *marginatus*, Ochs, Ent. Zeitschr. Frankf. XXXX 139 (1926)[14], Suppl. Ent. XV 116, 121 (1927)[15], Journ. F. M. S. Mus. XIII 242 (1927)[16], Ent. Blätter XXIV 44 (1928)[17].

Lower Siam : Trong.*
Luang-Prabang : Theng.[9]
Upper Laos.[12]
Upper Mekong.[12]

Sunda-Archipelago : [7]
Java. [?] [1, 2, 3, 4, 5, 8, 12, 15, 16, 17]
Borneo.[7, 8, 12, 15, 17]

marginatus mjöbergi, Ochs, Ent. Zeitschr. Frankf. XXXX 139, 193 (1926)[1], Ent. Blätter XXIV 44 (1928)[2].

Sumatra.[11, 12, 15, 16, 17]
Banka.[15, 16, 17]
Nias. [?]*
Borneo.[1, 2]

marginatus tenuirostris, Rég.
Porrorhynchus tenuirostris, Rég., Ann. S. E. Fr. (5) VII 111 Pl. 6 f. 4 (1877)[1].
Porrorhynchus marginatus tenuirostris, Rég., Ann. S. E. Fr. (6) II 428 (1882)[2], LXXII 152 (1907)[3]; Peschet, Opusc. Inst. Sc. Saigon I 4 (1923)[4].
Dincutus (*Porrorhynchus*) *marginatus tenuirostris*, Ochs, Ent. Zeitschr. Frankf. XXXX 139 (1926)[5], Ent. Blätter XXIV 44 (1928)[6].

Siam.[2, 4]
Indo-china : Lakhon Hills.[2]
Annam : [1, 6]
Phuc-Son.[3, 5]
Song-Dinh.*
Pha-Rang.[6]
Cochin China [4]
Phu-Quoc.

Subfamily III : Orectochilinæ, Rég.

Orectochilini, Rég., Ann. S. E. Fr. (6) II 391 (1882), (6) III 381 (1883), in Wytsm. Gen. Ins. I 3 (1902).

Orectochilinæ, Ahlw., in Junk-Schenkling Col. Cat. XXI 26 (1910) ; Ochs, Ent. Blätter XX 238 (1924).

Orectochilini, Hatch, Pap. Mich. Acad. V 443, 451 (1925).

Orectochilinæ, Ochs, Ent. Zeitschr. Frankf. XXXX 62 (1926).

5. **Orectochilus** Eschsch. (1833).

Type : *villosus* O. Müller (Palæarctic).

Orectochilus, Eschsch., in Dejean Cat. Col. ed. II 59 (1833); Lacord., Fn. Ent. Paris I 344 (1835); Brullé, Hist. Nat. V., II 234, 238 (1835); Aubé, Icon. Col. V 399 (1836-38), Spec. Col. VI 726 (1838); Lacord., Gen. Col. I 441(1854); Rég., Ann. S. E. Fr. (6) III 385, 410 (1883), in Wytsm. Gen. Ins. I 9 (1902); Hatch, Pap. Mich. Acad. V 452 (1925). — Type : *villosus* O. Müller (Palæarctic).

Patrus, Aubé, Icon. Col. V. 397 (1836-38), Spec. Col. VI 724 (1838); Lacord., Gen. Col. I 441 (1854). — Type : *javanus* Aubé (Java).

Subgenus : **Orectochilus** s. str. Hatch.

Subgenus *Orectochilus* (s. str.), Hatch, Pap. Mich. Acad. V 453 (1925). — Type : *villosus* O. Müller (Palæarctic).

argenteolimbatus, Peschet, Opusc. Inst. Sc. Saigon I 17 (1923)[1]. — Upper Tonkin : Chapa.[1] Upper Mekong : Nam Long.[1]

castetsi. Rég., Ann. S. E. Fr. LX 709 (1891)[1]. — Kodaikanal.[1] Trichinopoly.* Palni Hills.* " Madras."*

murinus, Rég., Ann. S. E. Fr. LX 709 (1891)[1] LXXVI 215 (1907)[2]; Zimmerm., Ent. Mitt. VI 168 (1917)[3]; Peschet, Opusc. Inst. Sc. Saigon I 17 (1923).[4] — E. Himalayas : Padong.[1, 4] Brit. Bhutan.[2, 4] Singla.* Kalimpong.* Pashok.* Kurseong.[4] Ghumti.* Upper Tonkin : Chapa.[4] W. Himalayas : Kumaon, Malva Tal.* Valley of Sutlej, below Simla.*

	Dharampur.* Mussoorie, Arni Gad.* Chakrata, Binal Gad.* Simla Hills, Ghuma.* Dehra Dun, Rikhikesh.*
tomentosus, Rég., Ann. Mus. Civ. Genova (2) X 553 (1891)[1], Ann. S. E. Fr. LX 711 Pl. 18 f. 15 (1891)[2]; Zimmerm., Ent. Mitt. VI 168 (1917)[3].	Burma : Carin Ghecu.[1], [2], [3]
villosovittatus, Rég., Ann. Mus. Civ. Genova (2) X 552 (1891)[1], Ann. S. E. Fr. LX 710 Pl. 18 f. 14 (1891)[2]; Zimmerm., Ent. Mitt. VI 168 (1917)[3]; Peschet, Opusc. Inst. Sc. Saigon I 17 (1923)[4].	Burma : [4] Carin Ghecu.[1], [2] Upper Mekong : Nam-Tiene.[4]
Subgenus : **Patrus** (Aubé) Hatch.	
Subgenus *Patrus,* Hatch, Pap. Mic. Acad. V 452 (1925).	Type : *O. javanus* Aubé (Java).
æneipennis, Rég., Ann. S. E. Fr. LXXVI, 217 (1907)[1]; Nowrojee, Mem. Dept. Agric. Ind. Ent. Ser. II 180 (1912)[2]; Zimmermann, Ent. Mitt. VI 168 (1917)[3].	Kanara.[1], [3] Pusa.[2] [?] +).
andamanarum, Ochs. *Orectochilus scalaris* (ex parte), Rég., Ann. S. E. Fr.(6) III 430 Pl. 12 f. 134a (1883),[1] LX 705 (1891)[2]; Zimmermann, Ent. Mitt. VI 168 (1917)[3]; *Orectochilus scalaris* subsp. *andamanarum,* Ochs, Rec. Ind. Mus. XXVII 200 (1925)[4]; *Orectochilus andamanarum,* Ochs, Journ. F. M. S. Mus. XIII 244 (1927)[5], Suppl. Ent. XV 118 (1927)[6].	Andaman Islds. [1], [2], [3], [4]

+) This citation is certainly erroneous. As I was informed by Prof. T. B. Fletcher the only specimen of *O. æneipennis* in the collection of the Agricultural Research Institute at Pusa is a Paratypo from Kanara. The species was not collected at Pusa. and Nowrojee meant probably *O. cylindricus* Rég., which was abundantly taken there together with *O. gangeticus* Wied.

andamanicus, Rég., Ann. S. E. Fr. (6) III 435 Pl. 12 f. 138 (1883)[1], (6) VI 265 Pl. 4 f. 14 (1886)[2]; Ochs, Ent. Blätter XX 238 (1924)[3]; Journ. F. M. S. Mus. XIV 403 (1929).[4]	Andaman Islds. [1], [3], [4] Calcutta.[2], [4] Burma :Mergui.[4] Perak.[4]
angusticinctus, Rég., Ann. S. E. Fr. LXXVI 213 (1907).[1]	Eastern Cochin China Reu Hai.[1] Tonkin : Lak-Tho.*
angusticinctus, subsp.?	Burma : Mergui.*
annandalei, Ochs, Rec. Ind. Mus. XXVII 203 (1925).[1]	Travancore : Tenmalai.[1] Madras : Nilambur.* Base of Nilgiris : Mettupalaiyam.*
apicalis, Rég., Ann. Mus. Civ. Genova (2) X 548 (1891)[1], Ann. S. E. Fr. LX 691 Pl. 18 f. 4 (1891)[2].	Burma : Carin Hills As ciuii Gheeu.[1], [2]
apicalis subapicalis, Ochs, nov. subsp.**) *Orectochilus apicalis*, Peschet, Opusc. Inst. Sc. Saigon I 8 (1923).[1]	Upper Laos : Nam Mat› Pou Lan, Nam Tiene.[1]
birmanicus, Rég., Ann. Mus. Civ. Genova (2) X 550 (1891)[1] ; Ann. S. E. Fr. LX 694 Pl. 18 f. 7. (1891)[2] ; Zimmerm. Ent. Mitt. VI 167 (1917)[3]; Peschet, Opusc. Inst. Sc. Saigon I 10 (1923)[4], Bull. Soc. Ent. Fr. 254 (1925).[5]	Burma : Carin Gheeu.[1] [2], [3] French Ind-china : Bab-Bab, Nam-Long, Nam-Tiene, Nam-Mat, Chapa.[4]
cameroni, Ochs, Rec. Ind. Mus. XXVII 195 (1925).[1]	Western-Himalayas : Dehra Dun, Kaligad.[1] Mussorie, Arni Gad.[1]
cameroni subsp.?	Kumaon, Bhowali.[1] Valley of Sutlej, below Simla.*

**) I have seen the type specimen of *O. apicalis* Rég., a single ♀ in the Museum at Genova, and am indebted to Mr. Peschet for some of his examples from Upper Laos. Compared with the type, the females of the latter differ by the smooth portion of elytra being less strongly sinuate posteriorly, so the apical terminations of this smooth portion are less prominent and less acute. Moreover, in the specimens from Laos, the exterior apical angles of elytra are less prominent, and the exterior apical angles of the anterior tibiæ are obtuse, not produced. It certainly represents a well distinguished varietal form, for which I propose the name mentioned above. Holotype ♂ in my collection, Allotype ♀ in the Museum at Genova ; type locality : Nam Mat.

cardiophorus, Rég., Ann. Mus. Civ. Genova (2) VI 620 (1888)[1], (2) X 548 (1891)[2], Ann. S. E. Fr. LX 693 Pl. 18 f. 6 (1891)[3]; Zimmerm., Ent. Mitt. VI 166 (1917).[4]

Burma : Catcin.[1, 2, 3] Carin Ghechu.[2, 3, 4] Carin Asciuii Ghecu.[2, 3]
Tenasserim : Plapoo, Mt. Moleyit.[1, 2, 3]

cardiophorus peguensis, Peschet

Pegu.

cardoni, Rég., Ann. S. E. Fr. LX 714 Pl. 18 f. 17 (1891)[1], Ann. S. E. Belg. XXXVI 121 (1892).[2]

Bengal : Tetara.[1, 2]
Nilgiris.*

cavernicola, Ochs, Rec. Ind. Mus. XXVII 196 (1925)[1]; cf. Chopra, Rec. Ind. Mus. XXVI 14, 18, 19 (1924).[2]

Assam : Garo-Hills, Siju Cave.[1, 2]

ceylonicus, Redtenb.
Gyretes ceylonicus, Redtenb., Reise Novara Zool. II first section A[1] 24 Pl. 1 f. 10 (1868).[1]
Orectochilus conspicuus, Rég., Not. Leyd. Mus. IV 64 (1882).[2]
Orectochilus ceylonicus, Rég., Ann. S. E. Fr. (6) III 416 Pl. 12 f. 125, 125a (1883)[3]; Ochs, Ent. Blätter XX 238 (1924).[4]

Ceylon.[1, 3]
Ceylon : Rambodde.[2]
Lindula.[4]
Maskeliya.*
Madras. (?)[3]

choprai, Ochs.
Orestochilus choprœ, Ochs, Rec. Ind. Mus. XXVII 197 (1925)[1]; cf. Chopra, Rec. Ind. Mus. XXVI 14, 18, 19 (1924).[2]

Assam : Garo-Hills, Siju Cave.[1, 2]

coimbatorensis, Ochs, Rec. Ind. Mus. XXVII 194 (1925).[1]

Tinnevelly-Hills.[1]

coomani, Peschet, Bull. Soc. Ent. Fr. 253 (1925).

Tonkin : Hoah Binh,[1] Lac Tho.*

cordatus, Rég., Ann. Mus. Civ. Genova VI (2) 621 (1888),[1] X (2) 551 (1891)[2], Ann. S. E. Fr. LX 696 Pl. 18 f. 8 (1891).[3]

Tenasserim : Thagata, Mt. Moleyit.[1, 2, 3]
Tenasserim.*
Burma : Tavoy, Nwalabo.*
Tonkin : Lac Tho.*

corniger, Zaitzev, Rev. Russe d'Ent. X 224 fig. (1910)[1]; Zimmerm., Ent. Mitt. VI 168 (1917)[2]; Peschet, Opusc. Inst. Sc. Saigon I 11, 12 (1923)[3]; Ochs, Suppl. Ent. XV 117, 122 (1927)[4], Ent. Blätter XXIV 101 (1928).[5]

Tonkin: Hoah Binh.[3], [4], [5]
Annam: Song Dinh.*

Japan. [?][1], [3], [4], [5]
Borneo.[4], [5]
Java.*
Sumatra.[4], [5]

coronatus, Ochs, Rec. Ind. Mus. XXVII 203 (1925).[1]

N. E. Assam: Sadiya.
Dikrang River.[1]

corporaali, Peschet, Bull. Soc. Ent. Fr. 293 (1922)[1]; Ochs, Suppl. Ent. XV. 116, 122 (1927)[2], Journ. F. M. S. Mus. XIII 244 (1927)[3], XIV 401 (1929).[4]

Malacca.[2]
Selangor.[3], [4]
Perak.[4]
Penang.[4]
Singapore.[4]

Sumatra.[1], [2], [3]
Java.*

corpulentus, Rég., Ann. S. E. Fr. (6) III 411 Pl. 12 f. 121 (1883)[1], Ann. Mus. Civ. Genova VI (2) 619 (1888)[2], X (2) 548 (1891)[3], Ann. S. E. Fr. LX 689 (1891)[4]; Zimmerm., Ent. Mitt. VI 165 (1917)[5]; Ochs, Journ. F. M. S. Mus. XIII 245 (1927)[6], Ent. Blätter XXIV 79 (1928).[7]

Tenasserim: Thagata, Mt. Moleyit.[2], [3], [4], [5]
Burma: Carin Hills, Cheba.[3], [4], [5]
Burma.[7]
Lower Burma: Amherst Dt., Dawna-Hills.*
Upper Tenasserim.*
Tenasserim.*
Tavoy.*
Tavoy, Nwalabo.*
Salanga.[6]
Siam: Renong.[4]

Borneo [?][1], [2], [7]
Java.?[1]

cribratellus, Rég., Ann. Mus. Civ. Genova (2) X 551 (1891)[1], Ann. S. E. Fr. LX 700 Pl. 18 f. 12, 12a (1891)[2]; Zimmerm., Ent. Mitt, VI 168 (1917).[3]

Burma: Carin Ghecu.[1], [2]
Upper Tenasserim.*

cribratellus metallescens, Rég., Ann. S. E. Fr. LXXVI 206 (1907)[1]; Zimmerm., Ent. Mitt. VI 168 (1917).[2]

Sikkim:
Padong.[1]
Kurseong.[1]
Brit. Bhutan.[1]
Kalimpong.*
Sitong near Mungpu.*
Pashok.*
Ghumti.*

cribratellus subsp.?

Assam:
Garo Hills, above Tura.*

cuneatus, Rég., Ann. S. E. Fr. LX 702 (1891)[1], LXXVI 202 (1907) [female][2]; Zimmerm., Ent. Mitt. VI 166 (1917).[3]

Sikkim:[1]
Padong.[2]
Sukna.*
Singla.*
Kurseong.*
Kalimpong.*
Pashok.*
Ghumti.*
W. Himalayas:
Dharampur.*
Kathgodam,
Kumaon.*
Kali Gad,
Dehra Dun.*
Dwaharath,
Almora.*

cylindricus, Rég., Ann. S. E. Fr. LX 713 (1891)[1]; Ochs, Rec. Ind. Mus. XXVII 202 (1925) [female.][2]

Murshidabad.[1, 2]
Pusa.[2]

desgodinsi, Rég., Ann. S. E. Fr. (6) VI 260 Pl. 4 f. 10 (1886)[1], LX 691 (1891)[2]; Zimmerm., Ent. Mitt. VI 166 (1917)[3]; Ochs, Rec. Ind. Mus. XXVII 194 (1925).[4]

Sikkim:
Padong.[1, 2, 4]
Brit. Bhutan.*
Kalimpong.[4]
Mungpu.[4]
Sureil.[4]
Pashok.*
Ghumti.*
Bengal:
Buxar.[4]

desgodinsi assamensis, Ochs, Rec. Ind. Mus. XXVII 194 (1925)[1]; cf. Rég., Ann. S. E. Fr. LXXVI 193 (1907).[2]

Assam :
Garo Hills above Tura.[1]
Assam.[1]
Khasi Hills.[1, 2]

dilatatus, Redtenbacher.
Patrus dilatatus, Redtenb., Reise Novara, Zool. II, first section A, 1 25 Pl. 1 f. 12 (1868).[1]
Orectochilus dilatatus, Rég., Ann. S. E. Fr. (6) III 419 Pl. 12 f. 126 (1883)[3], LX 695 (1891)[3], LXXVI 203 (1907).[4]

Ceylon.[1, 2, 3, 4]
Madras [?][2]

discifer, Walker.
Gyrinus discifer, Walker, Ann. Mag. Nat. Hist. (3) III 51 (1859).[1]
Gyretes discifer, Motsch., Bull. Soc. Imp. Moscou XXXIV 109 (1861)[2]; Redtenb., Reise Novara, Zool. II, first section A, 1 24 Pl. 1 f. 11 (1868).[3]
Orectochilus discifer, Rég., Ann. S. E. Fr. (6) III 416 (1883)[4], (6) VI 262 (1886)[5], LXII 104 (1893)[6], LXXI 470 (1902)[7], LXXII 334 (1903)[8]; Zimmerm., Ent. Mitt. VI 168 (1917)[9]; Ochs, Journ. F. M. S. Mus. XIII 243 (1927)[10], Rec. Ind. Mus. XXXI 245 (1929).[11]

Ceylon :[1, 2, 3, 4, 10, 11]
Peradeniya.*
Kandy.[8]
Halgamar.*
Trincomali.*
Nawalapitiya.[6]
Bandarawela.[2]
Nalanda.[2]
South India.[10]
Travancore,
Wallardi.[11]
Tenmalai,
Courtallum.[11]
S. Malabar,
Dhoni Forest.[11]
Cochin.*
Cochin State.
Parambikulam to Kavalai.[11]
Nilgiris.
Benhope Bungalow.[11]
Madras,
Nilambur.[11]
Kodaikanal.[5]
Central India :
Umaria.
Rewa.
Jaithari Range.[11]
Rewa State,
Amarkantak.[11]

	Satpura Hills. Pachmarhi.[11] Bombay Pres.: Poona Dist. Khandala.[11] Bengalen ?[11] Calcutta ?[11] Malacca. [4], [10] [?]
fairmairei, Rég., Ann. S. E. Fr. (6) III 428 Pl. 12f. 135 (1883).[1]	Ceylon.[1] Maskeliya.*
fallax, Peschet, Opusc. Inst. Sc. Saigon I 16 (1923).[1]	Luang Prabang : Pak-Ten.[1]
figuratus, Rég., Ann. S. E. Fr. LX 698 Pl. 18 f. 10 (1891).[1] *Orectochilus oblongiusculus* var. *figuratus,* Rég., Ann. S. E. Fr. LXXVI 199 (1907).[2] *Orectochilus figuratus,* Zimmerm., Ent. Mitt. VI 166 (1917)[3] ; Peschet, Opusc. Inst. Sc. Saigon I 11 (1923).[4]	Padong.[1], [2] Kurseong.[2] Solan near Simla.[2] [?] Singla.* Pashok.*
fletcheri, Ochs, Rec. Ind. Mus. XXVII 201 (1925)[1], XXXI 243 (1929).[2]	S. Malabar : Kollengode.[1], [2] Rewa State : Koilari.[2] Chota Nagpur : Singbhum Dt. Chaibassa.[2] Chakradharpur, Sanjai River.[2]
fraternus, Rég., Ann. S. E. Fr. (6) III 417 Pl. 12 f. 142 (1883).[1]	Ceylon.[1]
frustorferi, Rég., Ann. S. E. Fr. LXXVI 194 (1907)[1] ; Zimmerm., Ent. Mitt. VI 165 (1917).[2]	Tonkin : Mts. Mauson.[1], [2].
gangeticus, Wiedemann. *Gyrinus gangeticus,* Wied., in Germar, Magazin d. Ent. IV 119 (1821)[1] ; Perty, Obs. Col. Ind. 12 (1831).[6] *Orectochilus gangeticus,* Aubé, Spec. Col. VI 740 (1838)[2]; Rég., Ann. S. E. Fr. (6) III 434 Pl. 12 f. 137, 137*a*, 137*b* (1883)[3], LX	Bengal :[6] Ganges.[1] India orient.[2], [3] Pusa.[5] Murshidabad.[4] Berhampore Court.* Narail near Jessore.[4]

714 (1891)[4]; Nowrojee, Mem. Dept. Agric. Ind., Ent. Ser. II, 179 1912 [5] [habits].

Birbhum.*
Base of E. Himalayas:
Jalpaiguri,
Tista R.*
Sikkim.[4]
Darjiling Dt.*
Assam:
Kairchana.*

Java,[3] [?]

hæmorrhous, Rég., Ann. S. E. Fr. LX 706 Pl. 18 f. 13, 13*a* (1891)[1]; Zimmerm., Ent. Mitt. VI 168 (1917)[2]; Ochs, Rec. Ind. Mus. XXXI 242 (1929).[3]

Madras.[1, 3]
Travancore:
Allepey.*[3]
Bangalore.*[3]
Central Prov.:
Rewa State, Koilari.[3]
Rewa State, Khetgaon.[3]
Mandla Dt., Sakka, Kharmer Nullah.[3]
Mohgaon, Burhner River.[3]
Nerbudda River:
Padmi.[3]
between Dupta and Gorakhpur.[3]
Barham Kalan.[3]
Chota Nagpur:
Singbhum Dt., Chaibasa.*[3]
Chakradharpur, Sanjai River.*[3]

hæmorrhous lobifer, Rég., Ann. S. E. Fr. LXXVI 214 (1907).[1]

Base of Himalayas.[1, 3]
Bihar:
Pusa.*[3]

indicus, Rég., Ann. S. E. Fr. (6) III 435 Pl. 12 f. 141 (1883)[1], LX 714 (1891)[2], Ann. S. E. Belg. XXXVI 121 (1892)[3], Ann. S. E. Fr. LXXI 470 (1902)[4], LXXVI 217 (1907)[5]; Zimmerm., Ent. Mitt. VI

India.[1, 5]
Bengal. [?] [2, 3, 7]
Bangalore:
3000 ft. [7]
Chikkangalur.[5],

168 (1917)[6] [male] ; Ochs, Rec. Ind. Mus. XXXI 246 (1929).[7]

Central Prov. :
Barham Kalan.[7]
Ceylon :[2], [6],[7]
Bandarawela.[4]
Nalanda. [4], [6]
S. O.*
E. P., Niro-Munai.*
Diyatalawa.*

intermedius, Ochs.
Orectochilus fruhstorferi subsp. *intermedius*, Ochs, Rec. Ind. Mus. XXVII 193 (1925).[1]

Dawna-Hills :
Sukli.[1]
Upper Tenasserim.*
Tavoy :
Nwalabo.*

kempi, Ochs, Rec. Ind. Mus. XXVII 198 (1925).[1]

East Assam :
Yembung.[1]

klynstrai, Ochs, Suppl. Ent. XV 117, 122 (1927)[1], Journ. F. M. S. Mus. XIV 402 (1929).[2]

Singapore.[2]
Pahang.[2]
Sumatra. [1], [2]

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landaisi, Rég., Ann. S. E. Fr. LX 692 Pl. 18 f. 5 (1891)[1], LXXVI 194 (1907)[2] ; Zaitzev, Rev. Russe d'Ent. X 225, 2 fig. (1910)[3] [male] ; Peschet, Opusc. Inst. Sc. Saigon I 8 (1923).[4]

Upper Tonkin. [1], [3], [4]
N. Tonkin :
Laokay. [3], [4]
Laokay :
Chapa.*
Laos.*
Tonkin :
Hoa-Binh.*

S. W. China. [2], [3], [4]

limbatus, Rég., Ann. S. E. Fr. (6) III 424 (1883)[1], LXXVI 211 (1907)[2] [male].
Orectochilus gravelyi, Ochs, Rec. Ind. Mus. XXVII 199 (1925).[3]
Orectochilus limbatus, Ochs, Rec. Ind. Mus. XXXI 243 (1929).[4]

Ind. orient. [1], [4]
Barway.[2], [4]
Khandesh. [2], [4]
Chota Nagpur :
Chaibassa.[3]
Chakradharpur, Sanjai-River. [4]
Bombay, Matheran, Charlotte Lake.[4]
Ratnagiri Dt., Vashishty Valley, Pophli.[3]

Satara Dt.:
Yenna Valley, Medha.[3]
Koyna Valley, Helvak.[3]
Central India :
Umaria, Rewa, Jaithari Range.[4]
Rewa State, Koilari.[4]
Rewa State.
Pongatola, Kornu Nala.[4]
Mandla.[4]
Mandla Dt., Sakka, Deo Nullah.[4]
Kharmer Nullah.[4]
Mandla Dt., Mohgaon, Burhner River.[4]
Rewa State, Amarkantak.[4]
Nerbudda River :
Between Dupta and Gorakpur.[4]
Padmi.[4]
Sandia.[4]
Nilgiris :
Mettupalaiyam, Bhavani River.[4]
Ceylon.[4]

lucidus, Rég., Not. Leyd. Mus. IV 66 (1882)[1], Ann. S. E. Fr. (6) III 425 Pl. 12 f. 131 (1883)[2], LXXVI 210 (1907)[3]; Ochs, Suppl. Ent. XV 116, 122 (1927).[4]

Java.[1, 2, 3, 4]
Nœsa Kambangan.[4]
Sumatra.[3, 4]

lucidus subsp.?
Orectochilus lucidus, Rég., Ann. Mus. Civ. Genova VI (2) 623 (1888)[1], X (2) 552 (1891)[2], Ann. S. E. Fr. LX 704 (1891)[3], LXXVI 210 (1907)[4]; Ochs, Suppl. Ent. XV 116, 122 (1927).[5]

Tenasserim :
Thagata.[1, 2, 3, 4, 5]
Tavoy :
Nwalabo.[5]
Burma :
Mergui.*
Ind. orient. post.*

marginepennis, Aubé, Spec. Col. VI 744 (1838)[1].
Orectochilus subsulcatus, Rég., Not. Leyd. Mus. II 215 (1880).[2]
Orectochilus marginipennis, Rég., Ann. S. E. Fr. (6) III 429 Pl. 12 f. 133, 133*a*, 133*b* (1883).[3]
Orectochilus subsulcatus, Rég., Midd. Sumatra IV, 6 12 Pl. 1 f. 10 (1887).[4]
Orectochilus marginipennis, Rég., Ann. Mus. Civ. Genova X (2) 552 (1891)[5], Ann. S. E. Fr. LX 704 (1891)[6], LXXVI 214 (1907)[2]; Zimmerm., Ent. Mitt. VI 168 (1917)[8]; Kempers, Ent. Mitt. XII 76 f. 92 (1923); Ochs, Rec. Ind. Mus. XXVII 201 (1925)[9], Suppl. Ent. XV 118, 122 (1927)[10], Journ. F. M. S. Mus. XIII 243, 245 (1927)[11], XIV 402 (1929).[12]

Burma :
Carin Ghecu.[5], [6], [9], [10], [11]
Assam :
Cherrapunji.[9], [10], [11]
Perak.[7], [9], [10], [11]
Selangor.[2]
Pahang.[10], [11]
Upper Tonkin :
Cao-Bang.[7], [10], [11]
Cochinchina orient :
Reu-Hai.[7], [10], [11]

Java.[1], [3], [9], [10], [11]
Sumatra.[2], [3], [4], [8], [9], [10], [11]

marginipennis angustilimbus, Ochs, Rec. Ind. Mus. XXVII 202 (1925).[1]

W. Himalayas :
Dehra Dun, Lachiwala.[1]

marginipennis parvilimbus, Ochs, Rec. Ind. Mus. XXVII 202 (1925).[1]

China.
Canton Prov.[1]

metallicus, Rég., Ann. S. E. Fr. (6) III 418 Pl. 12 f. 143 (1883),[1] (6) VI 262 (1886)[2] [male], LX Pl. 18 f. 11 (1891)[3], LXXVI 206 (1907)[4]; Zimmerm., Ent. Mitt. VI 168 (1917)[5]; Peschet, Opusc. Inst. Sc. Saigon I 13 (1923).[6]

India.[1]
E. Himalayas :
Padong.[2], [4]
Kurseong.[4]
Kurseong, Dow Hill.*
Gangtok *
Surcil *
Between Ghoom & Sonada.*
Ghoom.*
Mangpoo *
Pashok.*
Ghumti.*
Upper Laos :
Nam Mat.[6]
W. Himalayas :
Dehra Dun.*
Kumaon, Bhowali.*
Chakrata, Bodyar.*

neglectus, Ochs, Rec. Ind. Mus. XXVII 199 (1925).[1]

W. Himalayas :
Naini Tal Dt.
Bareni. (type loc.)
Kiari.[1]
Umballa Dt., Kalka.[1]
Kumaon, Kathgodam.[1]
Patiala State, Dharampur Koa.[1]
Punjab, Kasauli.*

neglectus var.?, Ochs, Rec. Ind. Mus. XXVII 199 (1925).[1]

Almora Dt., Dwaharat.[1]

neglectus subsp.?

E. Himalayas :
Mariambari.*

nitens, Peschet, Opusc. Inst. Sc. Saigon I 13 (1923).[1]

Luang Prabang :
Pak-Ten.[1]

oblongiusculus, Rég., Ann. S. E. Fr. (6) VI 262 Pl. 4 f. 11 (1886)[1], LX 698 (1891)[2], LXXVI 199 (1907)[3]; Zimmerm., Ent. Mitt. VI 166 (1917)[4]; Peschet, Opusc. Inst. Sc. Saigon I 11 (1923).[5]

Padong.[1, 2, 3]
Kurseong.[3]
Kalimpong.*
Singla.*
Sukna.*
Ghumti.*
Pashok.*
Solan near Simla.*
Kumaon, Bhim Tal.*
Simla Hills, Barogh.*
Laos :
Sala Nam Pik.*
Tonkin :
Hoah-Binh.*

oblongiusculus feai, Rég.
Orectochilus feæ, Rég., Ann. Mus. Civ. Genova (2) VI 621 (1888)[1], (2) X 551 (1891).[2]

Tenasserim :
Thagata.[1, 2, 3]
Tenasserim.[4]
W. Side of Dawna Hills, Misty Hollow.*

Orectochilus var. *feai,* Rég., Ann. S. E. Fr. LX 697 (1891), LXXVI 199 (1907); Zimmerm., Ent. Mitt. VI 166 (1917).

Tavoy :
Nwalabo.*
Carin Gheeu.[2, 3]

oblongiusculus subsp.?, Ochs, Ent. Blätter XX 238 (1924).[1]

Khasi Hills.[1]

oblongiusculus parkeri, Ochs.
Orectochilus parkeri, Ochs, Rec. Ind. Mus. XXVII 196 (1925).[1]

W. Himalayas : Almora, Gonai.[1]

oxygonus, Rég., Ann. S. E. Fr. LXXVI 203 (1907)[1] ; Ochs, Journ. F. M. S. Mus. XIII 243 (1927).[2]

Singapore.[1, 2]

patellimanus, Rég., Ann. S. E. Fr. LXXVI 202 (1907)[1]; Ochs, Ent. Blätter XX 238 (1924)[2], Journ. F. M. S. Mus. XIII 243 (1927)[3], XIV 401 (1929).[4]

Dindings Islds.[1, 3]
Penang.[1, 3, 4]
Selangor.[3]
Perak, Taiping.*
Siamese Malay States : Nawngchik, Bukit Besar.[2, 3]

procerus, Rég., Ann. S. E. Fr. (6) III 415 (1883).[1]

Cochinchina : Lakhon.[1]

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punctilabris [subsp.?], Ochs, Journ. F. M. S. Mus. XIV 402 (1929).[2]

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Orectochilus ritsemæ, Rég., Not. Leyd. Mus. IV 67 (1882)[1], Ann. S. E. Fr. (6) III 431 Pl. 12 f. 136 (1883).[2]
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Barham Kalan.[4]
Mandla.[4]
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Burma :
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Tonkin :
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rivularis, subsp.?

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Orectochilus cardiophorus, Peschet, Opusc. Inst. Sc. Saigon I 7 (1923).[1]

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Lak-Tho.*
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11 (1923)[6] ; Ochs, Rec. Ind. Mus. XXVII 200 (1925)[7], Suppl. Ent. XV 118, 122 (1927)[8], Journ. F. M. S. Mus. XIII 244, 245 (1927)[9], XIV 402 (1929).[10]

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similis, Ochs, Rec. Ind. Mus. XXXI 251 (1929).[1]

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Shillong.[1]

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Pak-Lay.[6]
Xieng-Kuang.[6]
Keng-Luong.[6]
Lak-Bona.[6]
Pak-Pa.[6]

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spinifer jacobsoni, Ochs, Suppl. Ent. XV 120 (1927).[1]	Sumatra.[1]
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tonkinensis, Rég., Ann. S. E. Fr. LX 701 (1891).[1]	Tonkin : Cao-Bang.[1]
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undulans, Rég., Ann. S. E. Fr. LX 711 Pl. 18 f. 16 (1891).[1]	Tonkin : Cao-Bang.[1]
vitalisi, Peschet, Opusc. Inst. Sc. Saigon I 14 (1923)[1]; Ochs, Journ. F. M. S. Mus. XIV 402 (1929).[2]	Luang-Prabang : Pak-Ten.[1,2] Upper Mekong. Ban-Mone.[1,2]
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(NOTE.—Genera are printed in spaced roman letters, Subgenera in roman letters, synonyms in *italics*, and the two last should be looked up under the respective genera, the names of which are joined in parenthesis. The numbers, which are placed by the genera refer to the numbers of the genera and not of the pages.)

A

Aulonogyrus, 1.

C

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Cyclous (Dineutus).

D

Dineutes (Dineutus).
Dineutus, 4.
Dineutus (Dineutus).
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Lytiscus (Gyrinus).

G

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O

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Orectochilus (Orectochilus).

P

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Patrus (Orectochilus).
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S

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INDEX TO SPECIES.

(NOTE.—Names in *italics* are treated as synonyms and should be looked up under the names given in roman letters. Against each specific name is placed that of the genus and subgenus in which it is placed in this catalogue. The species in each genus and subgenus are placed in alphabetical order and the position of genera and subgenera is shown in the Index to Genera.)

A

agyptiacus, Gyrinus distinctus.
anceipennis, Orectochilus (Patrus).
andamanarum, Orectochilus (Patrus).
andamanicus, Orectochilus (Patrus).
angustatus, Gyrinus caspius.
angusticinctus, Orectochilus (Patrus).
angustilimbus, Orectochilus marginipennis.
annandalei, Orectochilus (Patrus).
apicalis, Orectochilus (Patrus).
argentoolimbatus, Orectochilus (s. str.)
arrowi, Paragyrinus.
assamensis, Orectochilus desgodinsi.

B

barthelemyi, Dineutus (Porrorhynchus).
birmanicus, Orectochilus (Patrus).
brevirostris, Dineutus indicans.

C

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cardiophorus, Orectochilus (Patrus).
cardiophorus, Orectochilus salvazai.
cardoni, Orectochilus (Patrus).
caspius, Gyrinus.
caspius, Gyrinus distinctus.
castetsi, Orectochilus (s. str.).
cavernicola, Orectochilus (Patrus).
celox, Gyrinus caspius.
ceylonicus, Gyrinus.
ceylonicus, Orectochilus (Patrus).
choprai, Orectochilus (Patrus).
coimbatorensis, Orectochilus (Patrus).
colymbus, Gyrinus distinctus.
conspicuus, Orectochilus ceylonicus.
convexiusculus, Gyrinus.
coomani, Orectochilus (Patrus).
cordatus, Orectochilus (Patrus).
corniger, Orectochilus (Patrus).
coronatus, Orectochilus (Patrus).
corporaali, Orectochilus (Patrus).
corpulentus, Orectochilus (Patrus.)
cribratellus, Orectochilus (Patrus).
cuneatus, Orectochilus (Patrus).
curtulus, Dineutus undidentatus.
cylindricus, Orectochilus (Patrus).

D

dejeani, Gyrinus orientalis.
desgodinsi, Orectochilus (Patrus).
dilatatus, Orectochilus (Patrus).
discifer, Orectochilus (Patrus).
distinctus, Gyrinus.
distinctus, Gyrinus caspius.

E

elongatus, Gyrinus caspius.

F

fairmairei, Orectochilus (Patrus).
fallax, Orectochilus (Patrus).
feai, Orectochilus oblongiusculus.
figuratus, Orectochilus (Patrus).
fletcheri, Orectochilus (Patrus).
fraternus, Orectochilus (Patrus).
fruhstorferi, Orectochilus (Patrus).
fulgidus, Dineutus mellyi.

G

gangeticus, Orectochilus (Patrus).
gravelyi, Orectochilus limbatus.

H

hæmorrhous, Orectochilus (Patrus).
huttoni, Gyrinus convexiusculus.

I

indicans, Dineutus (Porrorhynchus).
indicus, Dineutus (Protodineutus).
indicus, Orectochilus (Patrus).
insularis, Dineutus mellyi.
intermedius, Orectochilus (Patrus).

J

jacobsoni, Orectochilus spiniger.

K

kempi, Orectochilus (Patrus).
klynstrai, Orectochilus (Patrus).

L

landaisi, Dineutus (Porrorhynchus).
landaisi, Orectochilus (Patrus).
latilimbus, Dineutus landaisi.
limbatus, Orectochilus (Patrus).
lobifer, Orectochilus hæmmorrhous.
lucidus, Orectochilus (Patrus).

M

marginatus, Dineutus (Porrorhynchus).
marginatus, Dineutes orientalis.
marginipennig, Orectochilus (Patrus).
mellyi, Dineutus (s. str.)
metallescens, Orectochilus cribratellus.
metallicus, Orectochilus (Patrus).
mjöbergi, Dineutus marginatus.
murinus, Orectochilus (s. str.)

N

neglectus, Orectochilus (Patrus).
nepalensis, Dineutus spinosus.
niloticus, Gyrinus distinctus.
nitens, Orectochilus (Patrus).
nitidulus, Gyrinus convexiusculus.

O

obliquus, Aulonogyrus.
oblongiusculus, Orectochilus (Patrus).
orientalis, Dineutus (Spinosodineutes).
orientalis, Gyrinus.
oxygonus, Orectochilus (Patrus.)

P

parkeri, Orectochilus oblongiusculus.
parvilimbus, Orectochilus marginipennis.
parvulus, Orectochilus scalaris.
patellimanus, Orectochilus (Patrus).
peguensis, Orectochilus cardiophorus.
politus, Gyrinus orientalis.
procerus, Orectochilus (Patrus).
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punctilabris, Orectochilus (Patrus).
punctulatus, Orectochilus (Patrus).

Q

quadrispina, Dineutus orientalis.

R

ritsemai, Orectochilus (Patrus).
rivularis, Orectochilus (Patrus).

S

salvazai, Orectochilus (Patrus).
sauteri, Dineutus mellyi.
scalaris, Orectochilus (Patrus).
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semivestitus, Orectochilus (Patrus).
sericeolimbatus, Gyrinus.
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spinosus, Dineutus (Spinosodineutes).
striolifer, Orectochilus (Patrus).
subapicalis, Orectochilus apicalis.
sublineatus, Orectochilus (Patrus).
subsulcatus, Orectochilus marginipennis.
sulcipennis, Orectochilus (Patrus).

T

tenuirostris, Dineutus marginatus.
tomentosus, Orectochilus (s. str.)
tonkinensis, Orectochilus (Patrus).
trianguliger, Orectochilus (Patrus).
undulans, Orectochilus (Patrus).
unidentatus, Dineutus (Spinosodineutes).

V

villosovittatus, Orectochilus (s str.)
vitalisi, Orectochilus (Patrus).
vitalisi, Paragyrinus.
volubilis Orectochilus (Patrus).

W

wehnckei, Orectochilus (Patrus).

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